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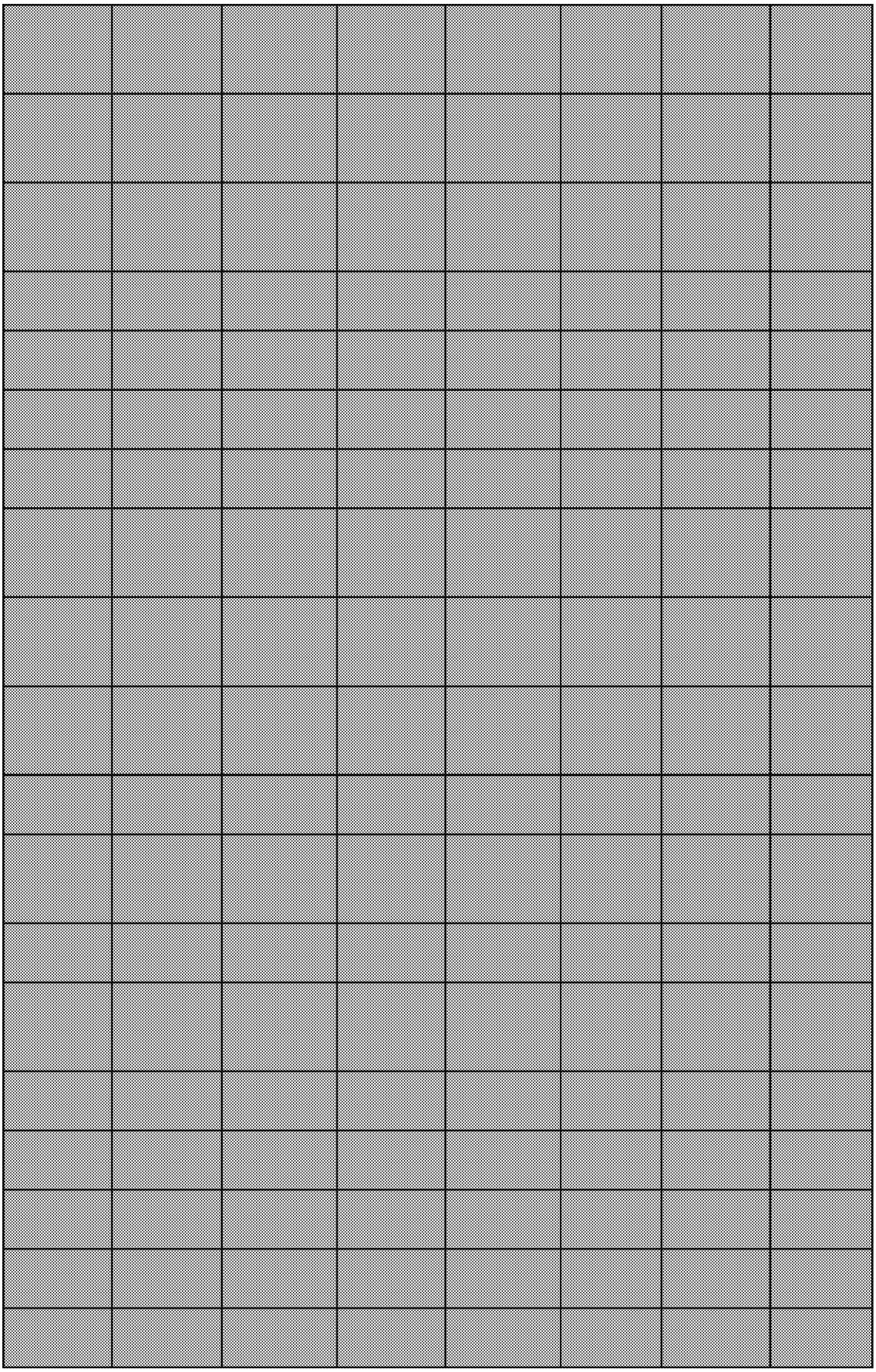

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Carbonic anhydrase activity was determined in spinach (Spinacia oleracea) leaf organelles isolated on sucrose density gra
A liquid chromatographic (HPLC) method has been developed for direct quantitative determination of methane sulfinic a
Exposure to hyperoxia or a number of different environmental toxins can result in free radical-mediated lung injury. Spec
BACKGROUND: The present study was designed to analyze the dynamic changes in transforming growth factor beta 1 (TG
Application of citric acid/acetic anhydride reagent (CAR), a colour reagent selective for tertiary amines in solution, impro
We previously reported that DNA single-strand breaks (ssb) induced by exposure to dimethylarsinic acid (DMAA) were en
Thiourea and superoxide dismutase were effective antidotes to paraquat toxicity in an HL60 cell culture system, whereas
Lungs of rats intoxicated by paraquat either due to parenteral administration or incubation of tissue slices with toxin app
A film consisting of polyethyleneimine (PEI), Au nanoparticles (12 +/- 1 nm) and coadsorbed cyclobis(paraquat-p-phenyle
In this study, we describe a straightforward strategy to develop whole cell-based biosensors using fusions of the bacteria
Pancreatic islet transplantation is a promising treatment for treatment of type 1 diabetes; however, transplantation outc
Bioactivation of phenytoin and related teratogens by peroxidases such as prostaglandin H synthase (PHS) may initiate hy
The present experiments have shown that paraquat enhanced both O2- production and oxidation of exogenous NADPH i
The involvement of transition metal ions in paraquat toxicity was studied in bacterial model system. We show that the ac
Human Cu, Zn-superoxide dismutase (hSOD) cDNA was inserted into a eukaryotic expression plasmid (pRc/CMV) under th
Drug testing with the use of point of care testing (POCT) has been widely used in Japan, especially in the field of drug abu
The role of iron ions in paraquat toxicity was studied in bacterial system. We show that addition of ferrous iron led to an

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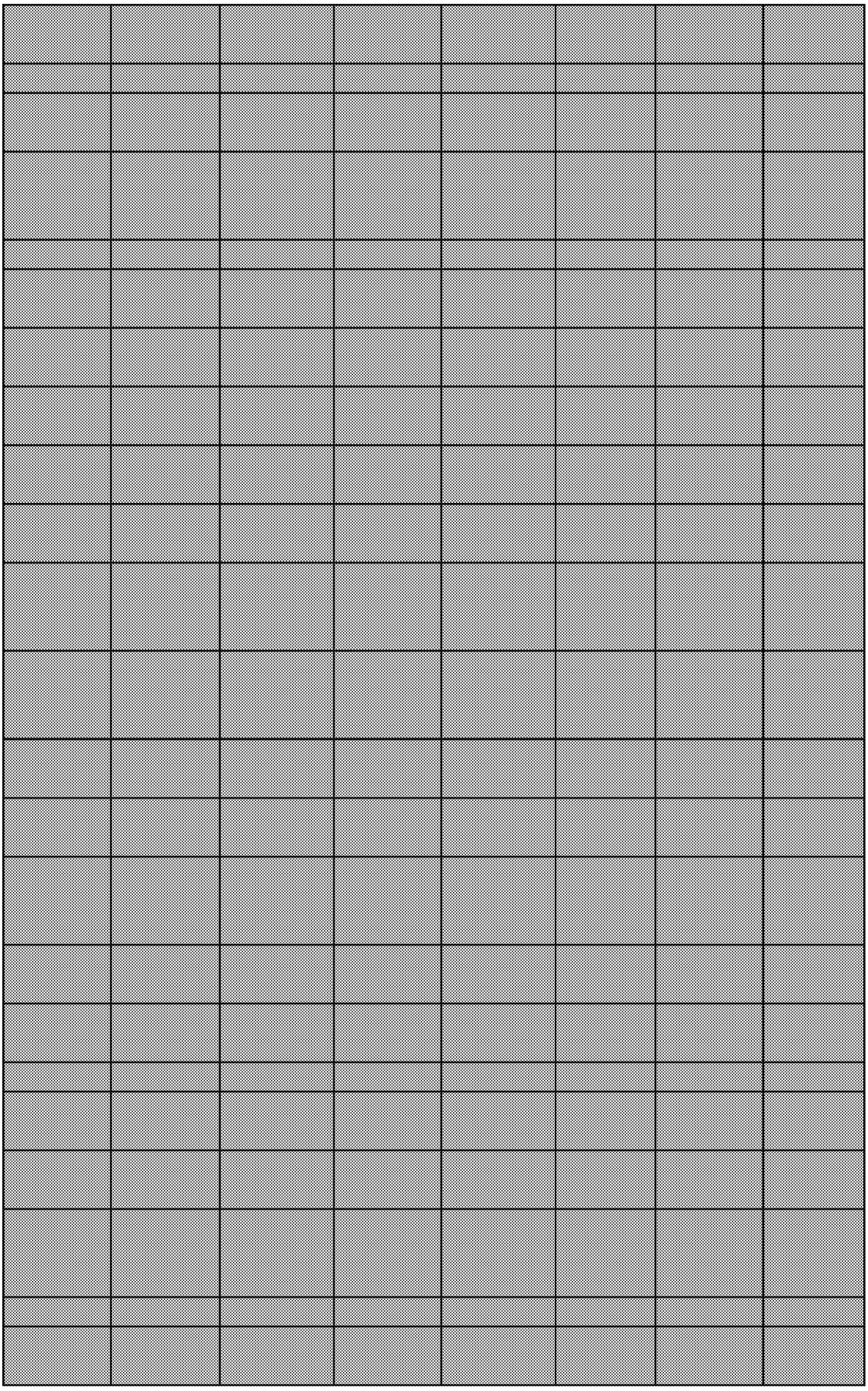

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Nitric oxide (NO) has emerged as a signaling molecule in plants being involved in diverse physiological processes like ger
To establish some of the necessary steps in the toxic action of paraquat for cultured mammalian cells, we isolated paraqu
The mitochondrial permeability transition pore plays a key role in programmed cell death and the induction of autophag
The antioxidative action of amphiphilic mono-(alkanoylamino) ethyldimethylamine-N-oxides (EDA), di-N-oxides 1,1-bis {[
Two classes of newly synthesized amphiphilic compounds, phenolic antioxidants ("phenolics") and N-oxides exert in vivo
Carbon monoxide-dependent production of H2, CO2, and CH4 was detected in crude cell extracts of acetate-grown Meth
Iron mobilized from ferritin has been shown to catalyze production of potent reactive oxygen intermediates. Experiment
Since cytochrome c and acetylated cytochrome c disappear from the circulation with a half-life of 4 min, these proteins c
Increasing the intracellular flux of O-2 by incubating aerobic Escherichia coli with paraquat or plumbagin markedly lower
The concentration of malondialdehyde (MDA) in tissues in paraquat poisoning was compared between humans and rats.
In this work, two methods were developed to determine herbicides paraquat, glyphosate, and aminomethylphosphonic a
Phenytoin is widely used as an anticonvulsant. In overdose situations phenytoin demonstrates saturable metabolic kinet
Using a set of 13 basic solutes (including a quarternary ammonium compound) with controlled pKa, log P and plasma pro
Natural plankton communities from a tropical freshwater reservoir (Combani Reservoir, Mayotte Island, Mozambique Ch
Ecotoxicological assessment in the tropics is based mainly on knowledge gained from temperate organisms, although ma
To identify a sensitive biomarker of freshwater monitoring, we evaluated pollutant-induced expression of heat shock pro

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